Claims:

1. Locking device for the fixation of a lid (1) on an opening (8) of a pressure container with at least two locking segments (5) displaceable at right angles to the axis of the opening (8), which segments (5) bear protrusions (6) and groove-like recesses along their circumference, which in the locked position cooperate with recesses (7) and protrusions along the brim of the opening (8), whereby the displacement actuator (4) of the segments (5) is linked to the segments (5) and to at least one point of application that is on the lid (1) or on a member (3) connected to the lid (1), characterised in that the segments (5) that are arranged in the direction of the circumference of the lid (1) are pivotably supported on the lid (1) by a swivel arm (16), separate from the displacement actuator (4), being interposed.

2. Locking device according to claim 1, characterised in that the displacement actuator of the segments (5) is each made up of at least one linear actuator (4) per segment (5).

3. Locking device according to claim 1 or 2 characterised in that the points of application of the displacement actuator (4) on the segments (5) and/or on the lid (1) or the member (3) connected with the lid (1) are designed as hinge bearings (10,11) comprising bearing pins being pivotable about at least one axis.

4. Locking device according to claim 1, 2 or 3 characterised in that the swivel arm (16) is connected to the lid (1) via a rotary or swivel drive (33).

5. Locking device according to claim 1 to 4 characterised in that the pivotable support of the segments (5) on the lid (1) comprises at least one pivotable shaft (15) or pivot axle (14) extending at right angles to the displacement movement of the segments (5).

6. Locking device according to claim 1 to 5 characterised in that the segments (5) are connected to the lid (1) to be adjustable in an in axial direction of the pivot axis (14) in the height direction.

7. Locking device according to claim 1 to 6 characterised in that the axle (15) or swivel axis (14) is supported on the lid (1) on at least one bearing (22) being moveable at right angles to the swivel axis (14) and fixable in this adjusted position.

8. Locking device according to claim 1 to 7 characterised in that the axle (15) or swivel axis (14) carries a bushing (17) parallel to the axis, in which the segments (5) are pivotable and in direction of the axis height adjustably fixable.

9. Locking device according to claim 8 characterised in that the segments (5) are supported pivotably and height adjustable on the bushing (17) with in axial direction operative springs (20) being interposed.

10. Locking device according to claim 1 to 9 characterised in that the segments (5) comprise at least two recesses or bearing eyes for the reception of locking members or locking pins.

11. Locking device according to claim 1 to 10 characterised in that the lid (1) and the segments (5) linked to the lid (1) are mounted to a support (28) to be pivotable about an axis intersecting or crossing the axis (30) of the opening (8), the support (28) together with the lid (1) being pivotable about an axis (29) extending outside of the opening and perpendicular to the axis (30) of the opening.

12. Locking device according to claim 11 characterised in that the lid (1) is connected to the support (28) by a spring rod (31) having an adjustable position and being excentrically arranged between the lid (1) and the support (28).

13. Locking device according to claim 1 to 12 characterised in that actuating members (9) of a position switch (26) are provided, which actuating members (9) immerse in annular grooves (7) at right angles to the brim of the opening (8).